

ABOVEGROUND STORAGE TANK
CLOSURE REPORT
SILVER STRIKE MOTEL
201 NORTH MAIN STREET
TONOPAH, NEVADA
SPILL REPORT NO. 050422-01

#### PREPARED FOR:

Nevada Division of Environmental Protection Brownfields Program 901 South Stewart Street, Suite 4001 Carson City, Nevada 89701

#### PREPARED BY:

Ninyo & Moore Geotechnical and Environmental Sciences Consultants 6700 Paradise Road, Suite E Las Vegas, Nevada 89119

> June 27, 2005 Project No. 301218004



June 27, 2005 Project No. 301218004

Mr. Scott Smale Nevada Division of Environmental Protection Brownfields Program 901 South Stewart Street, Suite 4001 Carson City, Nevada 89701

Subject:

Aboveground Storage Tank Closure Report

Silver Strike Motel 201 North Main Street Tonopah, Nevada

Spill Report # 050422-01

#### Dear Mr. Smale:

In accordance with your request, Ninyo & Moore is pleased to present this Aboveground Storage Tank (AST) Closure Report for the above-referenced site. Enclosed is the data collected from the soil sampling activities provided in connection with the removal of one AST at the above referenced facility. The general location of the subject site is shown on Figure 1.

#### **DESCRIPTION OF AST REMOVAL**

On April 18, 2005, LVI Environmental of Nevada (LVI) disconnected and removed an approximately 1,000-gallon steel heating oil AST from the subject site. Prior to removal of the AST, approximately 1 gallon of heating oil was drained from the AST and placed in a 5-gallon pail. The tank was placed on a truck and delivered to Saftey Kleen Systems, Inc. in Las Vegas, Nevada for destruction. The location of the AST at the site is presented on Figure 2. A copy of the disposal certificate is enclosed in Appendix A.

#### NEVADA ENVIRONMENTAL REGULATIONS

The Nevada Division of Environmental Protection (NDEP) has established a state action level of 100 milligrams per kilogram (mg/kg) for total petroleum hydrocarbons (TPH) in soil and a

reportable quantity of 3 cubic yards of soil. If a petroleum substance is encountered, the "soil action level" is defined as the presence of a petroleum substance in the soil in excess of 100 mg/kg when analyzed for TPH by EPA Method 8015. In the event that concentrations exceed 100 mg/kg in a volume exceeding 3 cubic yards of soil, a report should be filed with NDEP within 24 hours.

#### INITIAL ABATEMENT ACTIONS

While performing a Phase I Environmental Site Assessment (ESA) of the subject site on March 8, 2003, Mr. Robert Troisi of Ninyo & Moore observed and reported an AST adjacent to Building 5. Upon further visual observations, Mr. Troisi observed that the AST had leaked and noted stained soil at the south end of the tank. A surface soil sample was collected in the vicinity of the stained soil and sent to Alpha Analytical Laboratories for TPH analysis. Analytical results indicated that the concentration of TPH in the soil sample exceeded the state action level of 100 milligrams per kilogram (mg/kg).

LVI was contracted to remove the AST, excavate contaminated soil, and backfill the excavation. On April 20, 2005, following removal of the AST, a small-scale initial abatement action began using a backhoe to excavate the contaminated soil in the former AST location. LVI excavated approximately 21.22 tons of contaminated soil and placed it in a stockpile on the concrete north of the excavation area. Following excavation, Ninyo & Moore collected a soil sample from a depth of 3 feet below the ground surface (bgs) at the north end of the excavation area, a soil sample from a depth of 2 feet below the ground surface at the southeast corner of the excavation area, and a third sample from the soil stockpile north of the excavation area. The soil samples were placed in laboratory-supplied glass jars and capped with Teflon®-lined lids. The jars were immediately labeled and placed in an ice chest that was cooled to approximately 4°C. The samples were delivered to Veritas Laboratories using standard EPA chain-of-custody protocol and submitted for TPH analysis by EPA Method 8015.

#### ANALYTICAL RESULTS

Analytical results from soil samples collected from April 20, 2005, are summarized in the following table:

Sample ID	Sample Location	Concentration (mg/kg)	Range
		<10	GRO
Stockpile-01	Stockpile of excavated soil	63	DRO
		55	ORO
		<10	GRO
North at 3' BGS - 02	North at 3 feet below ground surface	<20	DRO
		<20	ORO
	0 1	<10	GRO
SE Corner at 2' BGS - 03	Southeast corner at 2 feet below	79	DRO
	ground surface	208	ORO

The laboratory reports presenting sample identification, test results, date, and reporting limits are enclosed in Appendix B.

#### SECONDARY ABATEMENT ACTIONS

The reported TPH concentration in the sample collected from the southeast corner of the excavation at a depth of 2 feet bgs exceeded the state action level of 100 mg/kg. Therefore, on April 21, 2005, further excavation of approximately 0.88 tons of soil from the southeast corner of the excavation area was undertaken by LVI. Following the excavation, a second soil sample was collected from this area at a depth of approximately 5 feet bgs and analyzed for TPH. Analytical results from the soil sample collected on April 21, 2005, indicated that the TPH concentration was below laboratory reporting limits as shown in the following table. On April 22, 2005, the excavation was backfilled with clean fill to match the existing grade.

Sample ID	Sample Location	Concentration (mg/kg)	Range						
SE Corner at 5' - 04	G - 4 - 4 - 4 - 4 - 5 - 6 - 4   -1 - 1 - 1	<10	GRO						
	Southeast corner at 5 feet below ground surface	<20	DRO						
	ground surface	<20	ORO						
GRO - Gasoline Range Organics, DRO - Diesel Range Organics, ORO - Oil Range Organics									

#### CONCLUSIONS AND RECOMMENDATIONS

Ninyo and Moore observed the removal of one 1,000-gallon heating oil AST and excavation and removal of approximately 22.10 tons of TPH-contaminated soil. Based on our observations and soil analytical results collected from the AST excavation, there was evidence of leakage of a reportable quantity of heating oil from the south end of the AST system. NDEP was informed of the release in accordance with Nevada Administrative Code (NAC) 445A.347. Following excavation of contaminated soil, soil samples were collected from the excavation and analyzed for TPH. Analytical results indicated that the TPH concentration of the soil was below laboratory reporting limits. Considering the results of this assessment and our conclusions, we recommend the subject site be granted regulatory closure.

#### **LIMITATIONS**

The services outlined in this report have been conducted in a manner generally consistent with current regulatory guidelines and standard industry practice. No other warranty, expressed or implied, is made regarding the professional opinions presented in this report. Ninyo & Moore's opinions are based on the observed conditions and laboratory results. It is likely that variations in the soil conditions may exist which were beyond our scope of work.

The samples collected, chemically analyzed, and the observations made are believed to be representative of the general area, however, conditions can vary significantly between sampling locations. The interpretations and opinions contained in this report are based on the results of laboratory tests and analyses intended to detect the presence and measure the concentrations of specific chemical constituents in samples collected from the site. The analyses have been



conducted by an independent laboratory. Ninyo & Moore has no involvement in, or control over, such analyses and has no means of controlling the accuracy of the laboratory results. Ninyo & Moore, therefore, disclaim any responsibility for inaccuracy in such laboratory results.

This document is intended to be used only in its entirety. No portion of the document, by itself, is designed to completely represent any aspect of the project described herein. Ninyo & Moore should be contacted if the reader requires any additional information, or has questions regarding content, interpretations presented, or completeness of this document. Opinions and judgements expressed herein, which are based on our understanding and interpretation of current regulatory standards, should not be construed as legal opinions.

#### NEVADA CERTIFIED ENVIRONMENTAL MANAGER

In accordance with the Nevada Revised Statutes 459.500, Section 1, a holder of a certificate who is responsible for a service requiring certification shall ensure that each document relating to the service includes the following language:

I, Gregory A. Beck, hereby certify that I am responsible for the services described in this document and for the preparation of this document. The services described in this document have been provided in a manner consistent with the current standards of the profession and to the best of my knowledge comply with all applicable federal, state, and local statutes, regulations, and ordinances.

Gregory A. Beck, C.E.M.

Certified Environmental Manager

No. 1874

Expires: May 27, 2006

6-27-05

Gregory A. Beck, C.E.M.

Senior Project Environmental Scientist

We appreciate the opportunity to be of service. If you have any questions or comments regarding this report, please contact the undersigned.

Respectfully submitted, NINYO & MOORE

George C. Morris

Senior Staff Environmental Scientist

GCM/GB/ltk

Distribution: (2)Addressee

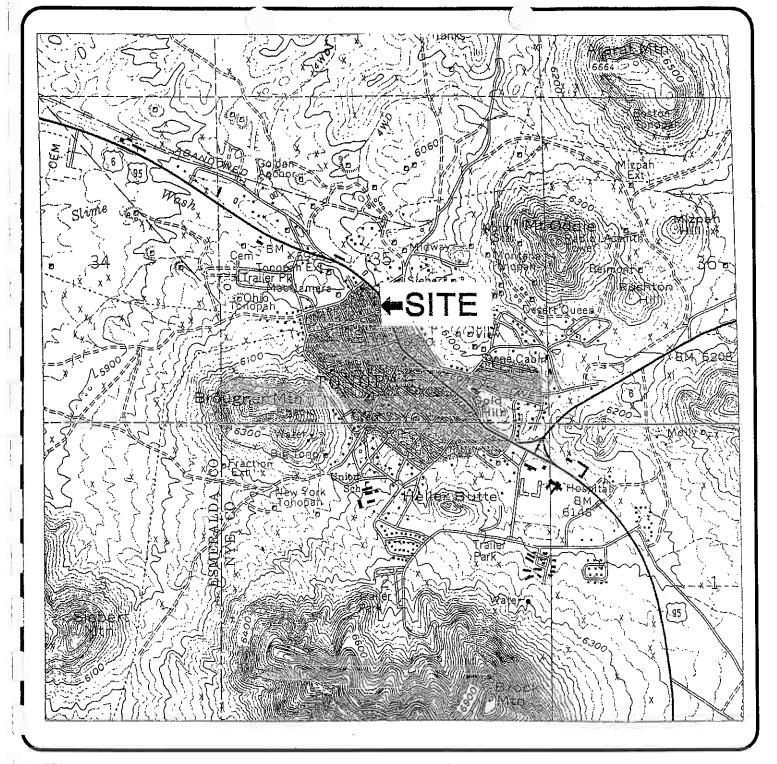
Attachments: Figures 1 and 2

Appendices A and B

*Ninyo « M*oore

June 27, 2005 Project No. 301218004

**FIGURES** 



REFERENCE: USGS, TONOPAH QUADRANGLE, NEVADA, 7.5 MINUTE SERIES (Topographic): dated 1982.



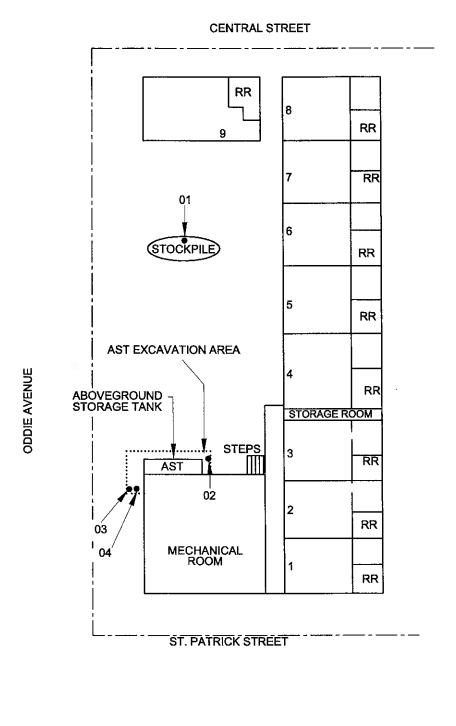


### SITE LOCATION MAP

ABOVEGROUND STORAGE TANK CLOSURE REPORT SILVER STRIKE MOTEL 201 MAIN STREET\TONOPAH, NEVADA

PROJECT NO.	DATE	1
301218004	06/05	יל

FIGURE



LEGEND

NOTE: All dimensions and directions are approximate.

*Minyo* & Moore

SITE MAP

20

**APPROXIMATE** 

SCALE IN FEET

ABOVEGROUND STORAGE TANK CLOSURE REPORT SILVER STRIKE MOTEL 201 MAIN STREET \TONOPAH, NEVADA

PROJECT NO. DATE FIGURE 2

June 27, 2005 Project No. 301218004

# APPENDIX A <u>AST Destruction Certificate</u> <u>Las Vegas Paving Soil Destruction Certificate</u>

FORM NO. 8029

PAGE 01/01

				S	war y		- War - S	$\equiv$		-
	В	ILL OF LADING/MANIFEST	1. Shippers US EP	A IO Now(If Agoilloable)	64449	2 Page of	1			H,
Ŷ	3.	Shippers Name and Malling Address 4.0	5. QUAL	ITY, CAT	•					
	4.	Shipper's Phone (799-220-4898	FEC AS	,Nv.·	89103					
		Transporter 1 Company, Name SAFETY (YZ FEN' SYSTEMS		7 X.R.O.O.O.C	Number 15.0.750	A Trans	sporter's Phil		1840	
		Transporter 2 Compasty Name	10	OKD 9876	Number 1068	-12. Tranii 17/	porter's Ph	勢フ	9664	
	9.	Designated Facility Name and Site Address	4	10, US EPA ID			ity's Phone			1
		2/31 8 ROSE DAL	74107	OK19878	84068	9	18-5	87	- 9664	
	11	, Ehipping Name and Description					12. Conta No.	Type	13, Tals! Quentity	14. Unit Wi/Vol
	a.	NON REGULA		OLIU	1		001			D.
or I	b.	(SURAP)	METHY			-	NOL.	1.1	00700	I
	1									
H I P	a.									
P F R	  d.									
i			~ ~= ~=							
	12	5, Special Handling Instruction and Additional Infor	mation							
				,•						
					1					1
		,		•	•	•				
					1	•			٠.	
	10	es. US DOT HAZARDOUS MATERIALS SHIPPER PrinteCTypes Name	r's Certification	This is to making that the above- constraint Summer or mortical Sugarantaire describing	TO BE THE PERSON OF THE PERSON	Signation. of the l	security of parent security on all to	gos, mano Portocalis	d end shaled refines in pa Month Ony	Year
2000				bree il US ORT regulati	26	الروجي ومري	See to			Ŀ
8	15	6b. NON-REGULATED SHIFPER'S CERTIFICATI Printed/Typed Name	MAIN I WILLIA AND WORKER	Sign hore if	M. L.		سامور		1831 29	10:
T R	Ti	Mule (SHE)  Transporter 1 Acknowledgenlant of Receipt of M	aterials	POT regulates	162 17-11		X13.3		Headh I Day	- NA
ÁX P		Printed/Typed Name PAC TOOUR		Signature	Man Z	_	<del>-</del>		Month Day	10
DRYES	11	8. Transporter 2 Acknowledgement of Reselpt of M Printed Typed Name	ateriaja ,	Signature	1 stal	6			Month Day	14
۲	15	Bob VALESKA		177	1/601	277			W71/2	150
FAG		,	ı							
Ĭ,	20	D. Fadility Owner or Operator. Cartification of recal	ot of materials covere	ed by this form except as r	icled in Item 19.				, , , , , , , , , , , , , , , , , , , ,	
Ť	-	Printed/Typed Name		Signature				-	Menth Cey	74
	WE.	NT OF EMERGENCY GALL			TIEST		10-2	W-W		1
		no-468-1760 (24 hours)			膿					

THE PROPERTY AND

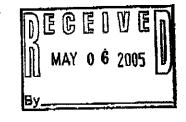
General Engineering Contractors Since 1958



4420 South Decatur Blvd. Las Vogas, Nevada 89103-5803 (702) 251-5800 Fax (702) 251-1968 lasvegaspaving.com

May 4, 2005

LVI Environmental of Nevada Attn: Bob Springs 4795 Quality Court Las Vegas, Nevada 89103



Re: Hydrocarbon Remediation LVPC Job 965557 Silver Strike Motel

Dear Mr. Springs:

We are pleased to announce that your Hydrocarbon impacted soil which were delivered to our facility on April 21, 2005 has been thermally treated.

Upon receipt of payment for services as outlined below and on the enclosed invoice, we will forward third party laboratory certification and our Certificate of Destruction for these soils.

#### Thermal Treatment:

21.22 Tons @ \$24.00

\$509.28

Total Amount Due

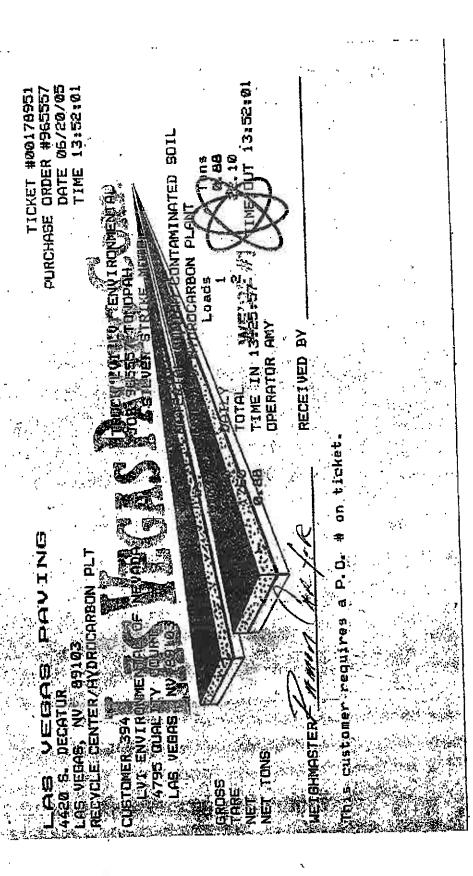
\$509.28

Should you have any questions or concerns regarding this matter, please contact me at 251-5800.

Sincerely,

LAS VEGAS PAVING CORPORATION

David C. Breault
Operations Manager
Hydrocarbon Remediation



133.07

## APPENDIX B <u>Laboratory Reports</u>



6245 Harrison Drive, Suite 4, Las Vegas, NV 89120

(702) 521-1462 Phone (702) 597-2098 Fax Email: bcham1@msn.com

CLIENT:

Ninyo & Moore

6700 Paradise Road, Suite E

Las Vegas, NV 89119

ATTN:

**Andrew Stuart** 

PROJECT NAME:

Silver Strike

PROJECT NUMBER: 301218004

VERITAS ORDER ID: V0504047

CEC. 2

PAGES: 2

Presented herein are the analytical results for samples received from the above referenced project.

Samples submitted for this project were not sampled by Veritas Laboratories. Unless otherwise noted, samples were received by Veritas Laboratories under a chain of custody in good condition, properly preserved, and within hold time for the requested analyses on 04/20/05.

Should you have any questions or comments, please feel free to contact me at (702) 521-1462.

#### **General Comments:**

None

Some Sample and/or QA results have been flagged as follows:

None

Bruce G. Cunningham

Veritas Laboratories

Date /



CLIENT: Ninyo & Moore PROJECT NAME: Silver Strike PROJECT NUMBER: 301218004

PAGE: 2 of 2

TEST:

Total Extractable Petroleum Hydrocarbons Using GC/FID

METHOD:

TX TPH, 8015M (C<sub>6</sub>-C<sub>35</sub>)

MATRIX:

Soil

						%		Date
Client Sample ID	Sample Date/Time	Veritas Sample ID	Result mg/Kg	Carbon Range	D F	Surr. Rec.	Reporting Limit (PQL)	Extracted/ Analyzed
Stockpile-01	04/20/05	V0504047-01	ND	GRO		93 <sup>1</sup>	10 mg/Kg	04/20/05
Stockpite-01	1030	¥0304047 <del>-</del> 01	63	DRO	1	93 <sup>2</sup>	20 mg/Kg	04/21/05
	1000		55	ORO	1		20 mg/Kg	
			118	Total	1		50 mg/Kg	
North at 3' Bgs-02	04/20/05	V0504047-02	ND	GRO	1	85 <sup>1</sup>	10 mg/Kg	04/20/05
9	1125		ND	DRO	1	94 <sup>2</sup>	20 mg/Kg	04/21/05
			ND	ORO	1		20 mg/Kg	
			ND	Total	1		50 mg/Kg	
SE Corner at 2' bgs03	04/20/05	V0504047-03	ND	GRO	1	70 <sup>1</sup>	10 mg/Kg	04/20/05
•	1130		79	DRO	1	86 <sup>2</sup>	20 mg/Kg	04/20/05
			208	ORO	1		20 mg/Kg	
			287	Total	1	<u> </u>	50 mg/Kg	
Method Blank	NA	EBLK050420	ND	GRO	1	92 <sup>1</sup>	10 mg/Kg	04/20/05
			ND	DRO	1	95 <sup>2</sup>	20 mg/Kg	04/20/05
			ND	ORO	1	1	20 mg/Kg	
			ND	Total	1	<u> </u>	50 mg/Kg	

Surrogates used are: 11-chlorooctane and 21-chlorooctadecane.

ND - Not Detected at indicated Reporting Limit (PQL).

#### Carbon Range

GRO-Gasoline Range Organics (C<sub>6</sub>-C<sub>12</sub>), DRO-Diesel Range Organics (C<sub>12</sub>-C<sub>28</sub>), ORO-Oil Range Organics (C<sub>28</sub>-C<sub>35</sub>), Total, C<sub>6</sub>-C<sub>35</sub>

26- Veritas Laboratories

(702) 521-1462 Phone

Veritor Lab ID.

(701) 597-2098 Fax

Container Code: # of Containers Preservation\*\* HO コ Silver Strike 301218004 433.0320 433-0707 Email: behami@men.cam Client P.O. Number: Project Number Project Name: Telephone: Email: 6245 Harrison Drive, Suite 4, Las Vegas, NV 89120 Ninyo +Moore 67. Sinhe ਮ ਹੁਤ SAME Company Name: Attention: Invoice To: Sampled by: Address:

	_	- 1	,				(			-				•			
Z 2		耳 above 100 rung	L'ANDONE OF	It appear		`.			Received	To the local last a	200		Condition?	Yes/No	0	Custody Scals? You'No	Page / of
5108	×	~	×						**Preservation Codes	**************************************			N=HNO3	HOW-X	7=Nego	O-Other	
Cont- Matrix posite Grab Code*	X   S	x   5	χΙΣ						*Matrix Code	GW-Groundwater	WW=Wastewater	DW-Drinking Water	A*Air	SL, "Studge	OL -Organic Liquid	W=Wipe O-Other	-
Sampled Sampled Date Time	4.26.65 1036		4.20.05 1130						Tunaround Time.	1	24 Hours	48 Hours	72 Hours	Z CHAR.	X45+	4-21.85 Date Needed	
Lab 10 #	10-47470501		03 1/0504047-03	,					Date/Time:	11. 70.05 1700		Description   200	1	West and /60	1/00/00	Date/Dage:	Calabi
Client Sample Identification	Gocka: 15 - 01	North at 3' 845 -02	SE Course \$ 2 615-03 1/0<04147-03 420-05						Relinquished by: (Signature)	S. S	ana.	Marrived by: (Signature)	Ľ.	Keknanished by: (Signature)	Them C. tom	Received by: (Signature)	CHAIN OF CUSTODY



6245 Harrison Drive, Suite 4, Las Vegas, NV 89120

(702) 521-1462 Phone (702) 597-2098 Fax

Email: bcham 1@msn.com

CLIENT: Ninyo & Moore

6700 Paradise Road, Suite E

Las Vegas, NV 89119

ATTN:

**Andrew Stuart** 

PROJECT NAME:

Silver Strike

PROJECT NUMBER: 301218004

VERITAS ORDER ID: V0504050

PAGES: 2

Presented herein are the analytical results for samples received from the above referenced project.

Samples submitted for this project were not sampled by Veritas Laboratories. Unless otherwise noted, samples were received by Veritas Laboratories under a chain of custody in good condition, properly preserved, and within hold time for the requested analyses on 04/21/05.

Should you have any questions or comments, please feel free to contact me at (702) 521-1462.

#### **General Comments:**

Some Sample and/or QA results have been flagged as follows:

Veritas Laboratories

Date 04/25/05



CLIENT: Ninyo & Moore PROJECT NAME: Silver Strike PROJECT NUMBER: 301218004

PAGE: 2 of 2

TEST:

Total Extractable Petroleum Hydrocarbons Using GC/FID

METHOD:

TX TPH, 8015M (C<sub>6</sub>-C<sub>35</sub>)

MATRIX:

Soil

						%		Date
Client Sample ID	Sample Date/Time	Veritas Sample ID	Result mg/Kg	Carbon Range	D F	Surr. Rec.	Reporting Limit (PQL)	Extracted/ Analyzed
SE Corner at 5'-Q4	04/21/05	V0504050-01	ND	GRO	1	81 <sup>1</sup>	10 mg/Kg	04/21/05
	1400		ND	DRO	1	84 <sup>2</sup>	20 mg/Kg	04/21/05
			ND	ORO	1		20 mg/Kg	
	1		ND	Total	1		50 mg/Kg	
Method Blank	NA	EBLK050421	ND	GRO	1	96 <sup>1</sup>	10 mg/Kg	04/21/05
			ND	DRO	1	99 <sup>2</sup>	20 mg/Kg	04/21/05
			ND	ORO	1	<u> </u>	20 mg/Kg	1
		]	ND	Total	1		50 mg/Kg	

Surrogates used are: 11-chlorooctane and 21-chlorooctadecane.

ND - Not Detected at indicated Reporting Limit (PQL).

#### Carbon Range

GRO-Gasoline Range Organics ( $C_6$ - $C_{12}$ ), DRO-Diesel Range Organics ( $C_{12}$ - $C_{28}$ ), ORO-Oil Range Organics ( $C_{28}$ - $C_{35}$ ), Total,  $C_6$ - $C_{35}$ 

Page of

BAIN OF CUSTODY

¿Ó- Veritas Laboratories Tamin Quality Thum Service

(702) 521-1462 Phone (701) 597-2098 Fax

# of Containers

Veritas Lab ID;

0504

Received in Good Ougash Seals? Received Temperature: Yeardinion? Contrainer Code: Comments Preservation.\*\* \*\*Preservation Codes Telect H=HCL N=HCL S=HSO, X=HSO, X=NO, X=HSO, X=HSO H W Matrix Code\* SL-Shudge OL-Organic Liquid DW~Drinking Water 5 GW=Groundwater WW=Wasterater \*Mutrix Code S-Soil/Solld W-Wipe O-Other Grab A-Air Email: behami@man.com positie Client P.O. Number: Project Name: Project Number Normal Normal Sampled That 1400 **Tumpround Time:** 24 Hours 48 Hours 72 Hours 4.21.05 Date Needed Telephone: Email: 6245 Harrison Drive, Suite 4, Las Vegas, NV 89120 Sampled 10504050-01 4.21.05 4/11/05 (335) Date/Time: Lab D# Nino & Moores 1735 Date/Time: Date/Time: Date/Time: Corner at 5-04 clinquished by: (Signature) Client Sample Identification eceived by: (Signature) Company Name: Sampled by: invoice To: Attention:

کر